

FIG. 1

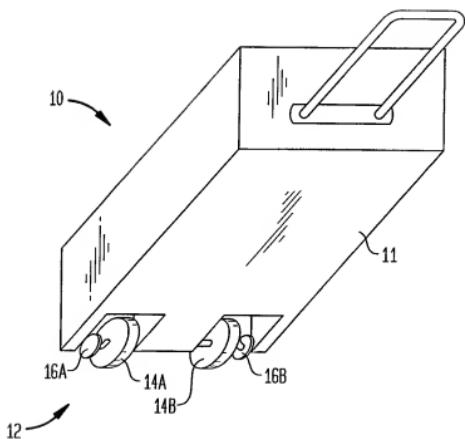


FIG. 2

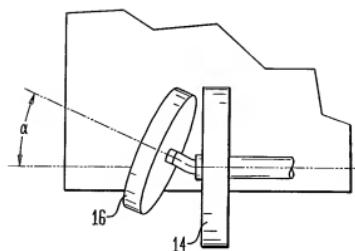


FIG. 3

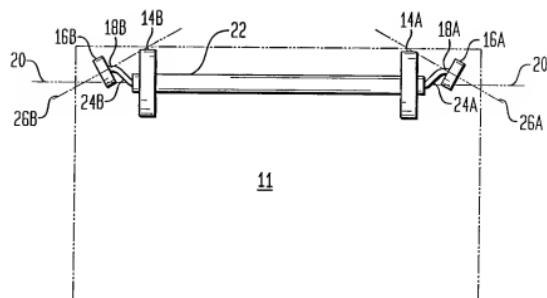


FIG. 4

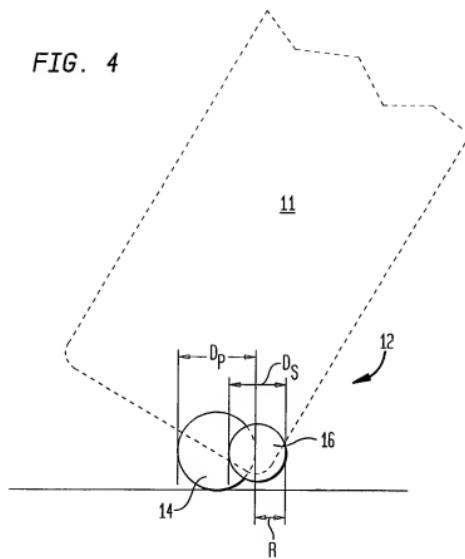


FIG. 5

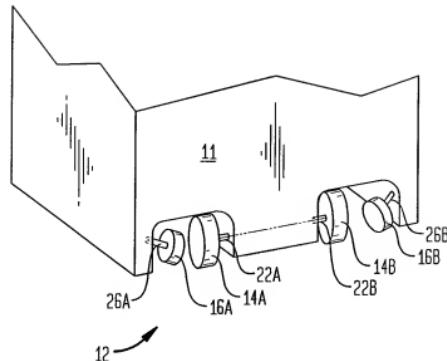


FIG. 6

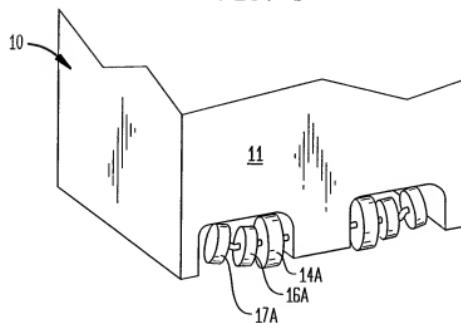


FIG. 7

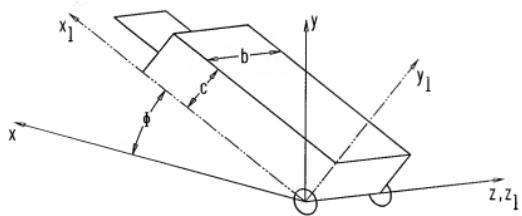
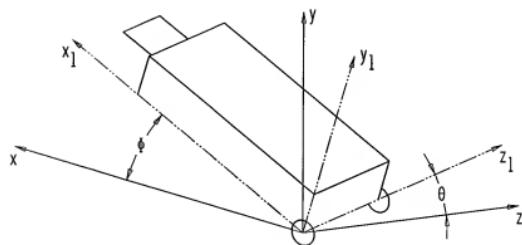


FIG. 8



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FIG. 9A

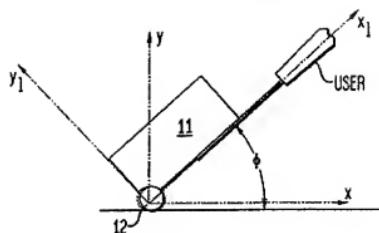


FIG. 9B

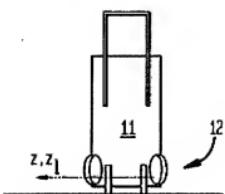
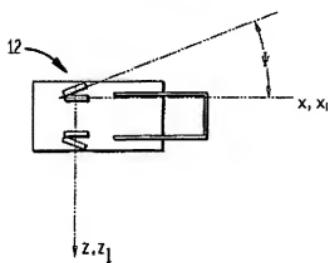


FIG. 9C



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FIG. 10

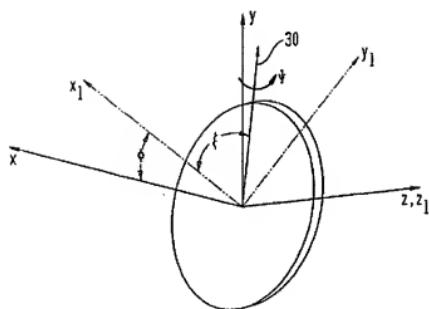
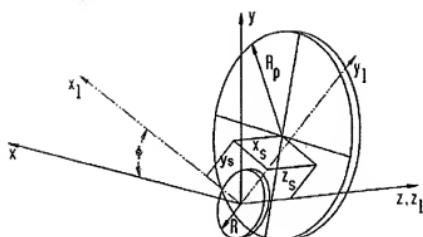


FIG. 11



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FIG. 12A

SIMULATION OF ROLL ANGLE OF TRADITIONAL SUITCASE (WHEELS MOUNTED ACROSS NARROWEST SIDE OF SUITCASE). NO STABILIZATION SYSTEM.

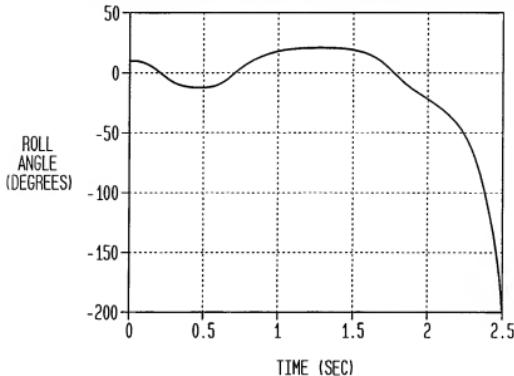


FIG. 12B

SIMULATION OF ROLL ANGLE OF TRADITIONAL SUITCASE (WHEELS MOUNTED ACROSS NARROWEST SIDE OF SUITCASE). WITH STABILIZATION SYSTEM.

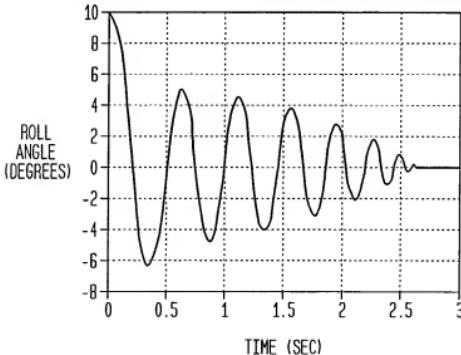


FIG. 13A

SIMULATION OF ROLL ANGLE OF TRADITIONAL SUITCASE (WHEELS MOUNTED ACROSS NARROWEST SIDE OF SUITCASE). RUNNING PACE, NO STABILIZATION SYSTEM.

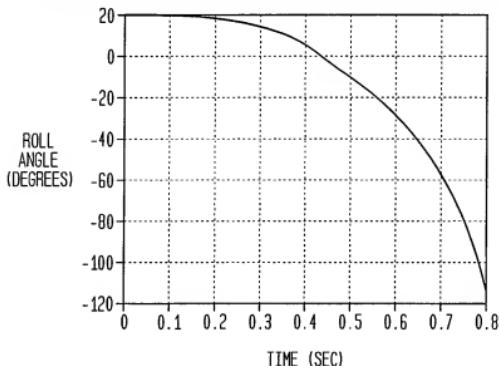
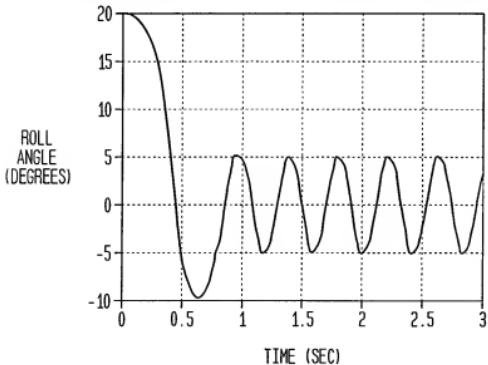


FIG. 13B

SIMULATION OF ROLL ANGLE OF TRADITIONAL SUITCASE (WHEELS MOUNTED ACROSS NARROWEST SIDE OF SUITCASE) AT RUNNING SPEED (4m/SEC). STABILIZED.



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FIG. 14A

SIMULATION OF ROLL ANGLE OF CARRY-ON LUGGAGE (WHEELS MOUNTED ACROSS MEDIUM SIDE OF LUGGAGE). NO STABILIZATION SYSTEM. REGULAR WALK.

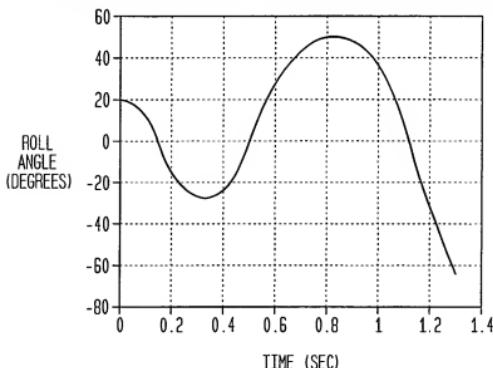


FIG. 14B

SIMULATION OF ROLL ANGLE OF CARRY-ON LUGGAGE (WHEELS MOUNTED ACROSS MEDIUM SIDE OF LUGGAGE). NORMAL PACE AND WITH STABILIZATION SYSTEM.

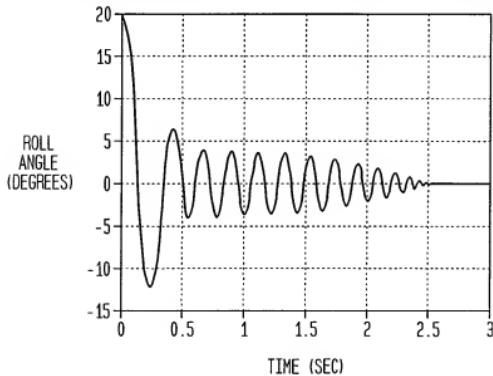


FIG. 15A

SIMULATION OF ROLL ANGLE OF CARRY-ON LUGGAGE (WHEELS MOUNTED ACROSS MEDIUM SIDE OF LUGGAGE). RUNNING PACE, NO STABILIZATION.

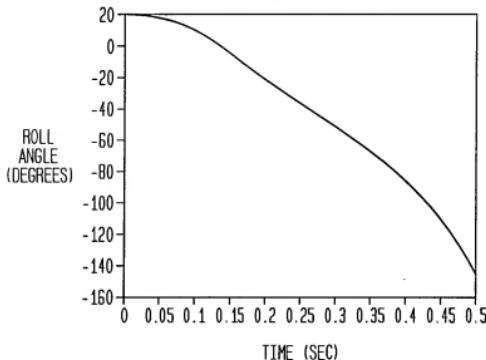


FIG. 15B

SIMULATION OF ROLL ANGLE OF TRADITIONAL SUITCASE (WHEELS MOUNTED ACROSS NARROWEST SIDE OF SUITCASE) AT RUNNING SPEED (4m/SEC). STABILIZED.

